

# WeeklyReport\_2018-09-24\_09-30\_E

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## Week Overview

$2 + 9 + 4 + 7 + 5 + 7 + 7 = 41$  hours

## Project: RSATree

- Working with Mei to solve the serialization work of the front end. It is now possible to run a complete example
- We found that the IOU between the boxes is large, which is caused by the different algorithms of split and pick.
- I solve the problems this weekend. The next step is to add variable length SAT, histogram and other functions to improve accuracy.
- I made a research on LSH hash algorithm this week. In my opinion, the lsh algorithm is different from ours RSATree. lsh is more like a nearest neighbor. The algorithm sampled in the submission month is actually a rather naive idea. this need a further research.
- I have tried to connect mysql with c++ on windows. but failed. maybe I will try the OBCD method next week.

## prepare for the CET6

- learned to the 2 chapter

## Other

- write 3 ACM problems in nowcoder
- learn d3 in <http://www.ourd3js.com/> to 9.3
- watch deep learning class by LIHONGYI and learn a bit about GAN

GAN is a magic nerual network for estimating generative models

Due to the busy school, I don't think I will continue to learn this video episode. I have already seen about 70%.

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## Short-term perspective

Work	deadline	Tip
find the reason why some data can't run	Fri	GraphLayout
write lsh part and variable length SAT	Fri	RSATree

## Middle-term perspective

Work	deadline	supplement
RSATree Project	10.01	
GraphLayout	11.01	
Dimension Reduction	11.01	
learn d3	11.01	in <a href="http://www.ourd3js.com/">http://www.ourd3js.com/</a>